A New American University

at work in the world
“Universities must create a new model of international engagement and act as full partners in international development.

Research universities have the unique breadth, depth and expertise to collaboratively address the world’s development challenges in partnership with local universities, governments, the private sector and non-governmental entities. By working together to solve problems, we can create a safe, prosperous, equitable future for citizens around the world.”

– Michael M. Crow, ASU president
ASU is an agile partner in international development with distinct capabilities across multiple sectors.

Ranked as the No. 1 most innovative school by U.S. News & World Report for five years running, Arizona State University represents a new design for the American research university — the New American University — that combines equitable access to quality education at scale, use-inspired research and discovery that solves real-world problems, and innovative strategies for achieving broad social impact. ASU’s unique model enables new possibilities for partnership in implementing international development projects, leveraging the knowledge and resources of the nation’s largest university with the agility and best practices of top international development implementers. ASU International Development is the university’s dedicated platform for engaging with international development projects, connecting implementers and funding organizations with ASU’s vast expertise, specialized knowledge across many disciplines, and evidence-based tools to design competitive bids and carry out successful projects with measurable results.

ASU is a top-tier research institution and has more than doubled research expenditures in the last 10 years, with over $600 million in research expenditures.

ASU has implemented and partnered on over 50 international development projects around the world.

ASU is an ISO 9001 certified research enterprise for agile project management and execution.

The New American University model offers bold new ideas that can positively impact developing countries. ASU brings innovative, evidence-based approaches to the most pressing challenges in priority development areas and robust expertise in cross-cutting areas, supported by the unique capabilities of its scalable educational infrastructure and talented students.
ASU International Development

A new model for university engagement with the developing world

ASU International Development provides funding agencies and implementers a single point of access to the knowledge and capabilities of the nation’s largest, most innovative research university.

Our solutions-focused, concierge model facilitates flexible, smooth and successful pursuit and bidding through:

- Engagement in multiple contract vehicles and Indefinite Delivery/Indefinite Quantity contracts.
- Expertise in USG budgeting and compliance: extensive back-office infrastructure that processes over $500 million in grants and contracts and Negotiated Indirect Cost Rate Agreement (NICRA).
- A large partner network of donors, international development partners, private sector partners and small businesses.
- Full ISO 9001 certification, from proposal development through project execution.

The ASU advantage

- Access to expert researchers and practitioners across many disciplines
- Model for rapid design of scalable solutions to development challenges
- Agile project planning, execution and management

ASU’s unique approach to international development mobilizes university researchers to rapidly prototype, scale, test and refine solutions tailored to the needs of developing countries.
The Global Futures Laboratory is ASU’s umbrella initiative for creating solutions to ensure a habitable, prosperous planet Earth for future generations. Modeled after the U.S. National Laboratories system, Global Futures Laboratory aims to become a world headquarters for an international alliance of scientists, innovators and strategic partners in development and the private sector to address climate change and a wide range of issues critical to Earth’s future. Global Futures Laboratory is a conscious evolution of ASU’s organizational and intellectual structures that applies a systems approach to challenges that transcend borders as well as the boundaries between disciplines and the public and private sectors.

Under the auspices of Global Futures Laboratory, ASU offers specialized expertise and country-specific knowledge to support innovative, cross-disciplinary solutions in environment and biodiversity, clean energy, water, food and agriculture.

Energy

ASU combines clean energy engineering expertise with policy and market-based insights to develop comprehensive solutions to the energy challenges of the developing world.

- ASU offers immediately deployable technical training curricula in solar PV, micro-hydro, wind energy and micro/multi grid systems (on- and off-grid), previously implemented for USAID in 15 countries with gender-specific modules.
- ASU’s Power Systems Engineering Research Center (PSERC) draws upon diverse, multidisciplinary faculty expertise to improve energy efficiency and reliability and identify market mechanisms to integrate new energy sources into power systems.
- LightWorks® is a multidisciplinary effort to develop new energy technologies in next-generation photovoltaics, micro-grids, biofuels and photosynthesis.

Environment/biodiversity

ASU is at the forefront of developing innovative, collaborative approaches to protecting biodiversity, conserving habitats and natural resources, and aligning market incentives with environmental needs.

- ASU’s Center for Biodiversity and Outcomes (CBO) creates groundbreaking, practical solutions in biodiversity through diverse partnerships from local to global scales to promote research collaboration and actionable science.
- The Rob and Melani Walton Sustainability Solutions Service has developed an economic development platform that leverages collaboration, entrepreneurship and ethical “circular economy” principles to create value and job opportunities by connecting markets to resources.
- The Conservation Solutions Lab (CSL) brings together researchers and practitioners to develop effective community engagement approaches to improve natural resource conservation and promote equitable, effective conservation measures.

Comprehensive capabilities for sustainable development

More than 550 scientists and scholars affiliated with the Julie Ann Wrigley Global Institute of Sustainability draw upon expertise in conservation, engineering, public policy, economics, urban design and more to advance all 17 of the United Nations Sustainable Development Goals.

Global training for energy sustainability

The Vocational Training and Education for Clean Energy (VOCTEC) program began in 2011 as a partnership between ASU and USAID to provide capacity building for renewable energy technologies on a global scale. Since the project’s formal conclusion in 2016, ASU has sustained VOCTEC by securing funding from 11 nongovernmental, private sector and development agency partners, including the Inter-American Development Bank and International Renewable Energy Agency. VOCTEC provides technical assistance to improve renewable energy infrastructure and has provided over 28,000 hours of training to more than 1,000 professionals, educators, entrepreneurs and policy makers in 30+ countries — nearly 30% of whom are women. VOCTEC has also led to the creation of self-sustaining regional training centers in multiple countries.

“We had technicians who undertook the (VOCTEC) training and learned technical skills in repairing systems, installing systems, doing troubleshooting or reviving systems if they break down. Those types of skills have never been acquired by locals before.”

— Gabriel Aimaea, deputy director, Solomon Islands Ministry of Energy and Rural Electrification
Water

ASU has leveraged its presence in the Arizona desert to become a global leader in water management issues. The university’s approach combines policy, research and technology to enable integrated solutions to the water scarcity and sanitation challenges of the developing world through improved decision-making tools and technical assistance for improved water management.

- **Future H2O** offers advanced data-driven tools for famine early warning systems, training for water resource managers and new technologies to mitigate water contamination and improve public health, and facilitates public-private partnerships for water conservation.
- **WaterSim**, a National Science Foundation-funded research platform, provides actionable data on the nexus between water scarcity, climate change and agriculture.
- **The Green Infrastructure Support Tool (GIST)** applies advanced decision-making and analytical tools to help Fortune 100 companies and governments sustainably manage water resources.
- **The Water and Environmental Technology (WET) Center** develops novel technologies to mitigate water contamination and improve water sanitation to improve public health.
- **ASU** leverages technology, behavioral change, entrepreneurship and local partnerships to implement comprehensive, sustainable water solutions, including the USAID-supported Holistic Water Solutions program in Jordan and Lebanon.

Creating water out of thin air

In 2019 ASU Professor Cody Friesen was awarded the prestigious Lemelson-MIT Prize, which honors inventors whose innovations make a significant social impact. To address the water needs of the developing world, Friesen invented **SOURCE Hydropanels**, which use desiccants to generate drinking water from sunlight and air – even in arid conditions – without the need for electricity. SOURCE Hydropanels were developed in 33 countries across six continents and are being used to provide clean drinking water to vulnerable communities throughout the world, including in refugee camps and hospitals.

Food and agriculture

ASU fosters self-reliance in the developing world by creating agricultural solutions to mitigate climate change, optimize food systems and improve health outcomes. ASU’s multidisciplinary, integrative approach augments Global Food Security Strategy and USAID priorities with proven, scalable models for stimulating private sector partnership and building the food systems innovation capacity of research institutions and public organizations.

- **The Swette Center for Sustainable Food Systems** creates integrated solutions for sustainable, equitable and resilient food systems, including new production models for better linkages between farms and markets.
- **As the only agribusiness program that is part of a top-30 business school**, the **Morrison School of Agribusiness** develops solutions for emerging markets in food pricing, risk management, international agricultural trade and policy.
- **ASU researchers advance agriculture objectives in development** by evaluating USAID Feed the Future Innovation Labs and working closely with implementing organizations including IFPRI, CIAT, CIRAD and CERAS.
- **Nutrition experts** work across disciplines to assess the impact of policy on food consumption, consumer behavior and food insecurity in the developing world.
- **ASU’s College of Health Solutions** integrates research in food security, human behavior and nutritional biochemistry to improve access, availability to and consumption of healthy foods.

**Biochar in Nepal: turning waste into opportunity**

Faculty experts from the Morrison School of Agribusiness and students from ASU’s Global Resolve initiative are working with communities in Nepal to reduce the impact of invasive vegetation by applying technologies to convert plants into biochar fuels that can be used as a cleaner energy source or be sold by community entrepreneurs. This approach contributes to better waste management, climate change mitigation, improved animal habitats, soil amendment for enhanced agricultural productivity and increased community prosperity.
Rule of law, human rights and governance

ASU’s experts in the social sciences, law and regional studies develop evidence-based solutions for crime prevention, government accountability and transparency, democratization, illicit trade and border security, and conflict prevention. ASU advises and trains government officials and advances co-creative approaches that leverage citizen participation to promote equitable, secure and inclusive societies.

- ASU’s Watts College of Public Safety and Community Solutions trains individuals, government agencies and civil society organizations in the developing world in designing participatory, inclusive institutions.
- ASU experts evaluate violence prevention programs to improve their effectiveness, including Project REASON (Cure Violence) in Trinidad and Tobago.
- ASU applies cutting-edge theories in criminology to develop solutions to violence in developing nations through its Center for Violence Prevention and Community Solutions. The center has partnered with the Organization of American States and the United Nations Development Program (UNDP) for more than ten years to promote citizen security in Caribbean nations.
- The Rule of Law and Governance Program at the Sandra Day O’Connor College of Law, developed in partnership with the McCain Institute for International Leadership, uses contextually relevant approaches to assist countries in transition in developing and strengthening their legal systems.
- Through the Center for the Study of Religion and Conflict and Center on the Future of War, ASU addresses the root causes of conflict around the world and convenes scholars and leaders from the developing world to advance peace, tolerance and effective policy for conflict prevention.
- The McCain Institute for International Leadership is a nonpartisan “do-tank” dedicated to advancing character-driven global leadership based on security, economic opportunity, freedom and human dignity in the United States and around the world. The institute seeks to promote humanitarian action, human rights and democracy, and national security while embracing technology to improve designs for educated decisions in national and international policy. The institute also develops and trains the next generation of American and international leaders through its Next Generation Leadership Program, and provides decision recommendations for leaders through the annual Sedona Forum and its Debate and Decision Series.

Collaboration for strengthening victim advocacy in Mexico

With support from the U.S. Department of State International Law Enforcement and Narcotics Bureau (INL), ASU is collaborating with Tecnológico de Monterrey, the largest private university in Mexico, to strengthen the skills of criminal justice system participants in oral litigation and victim advocacy techniques. The Voz de las Víctimas program provides clinical legal training to state prosecutors, judges, public defenders, victims’ court advocates and NGO attorneys and forges mutual understanding and collaboration among diverse actors from different agencies. Victim advocacy clinics housed at five Tecnológico de Monterrey campuses throughout Mexico provide training and mentorship to law students who are linked with local state commissions and nonprofits to assist victims—an approach that simultaneously increases systemwide capacity and builds a talent pipeline for victim advocacy.
Since 2002, ASU has undertaken one of the most radical redesigns in the history of higher education. ASU’s New American University model directly addresses the educational challenges facing the developing world and offers a blueprint for expanding world-class educational opportunities to millions of learners. ASU works with higher learning institutions and systems to adapt its model and co-create solutions to meet educational demand, build sophisticated research enterprises to drive economic growth and respond to local social challenges.

- The University Design Institute (UDI) provides training, technical assistance and capacity strengthening to higher education institutions and systems in the developing world for increased educational access, research capacity and social impact.
- ASU maintains partnerships with over 100 higher education institutions, ministries of education and governments internationally, providing extensive reach and understanding of local needs in developing countries.

As the founding member of the University Innovation Alliance (UIA), comprising 11 American universities committed to improving educational access and quality, ASU has access to a wealth of shared data, applied research and real-world lessons in institutional design.

Through the USAID-funded Strengthening Higher Education Access in Malawi Activity (SHEAMA), ASU is transferring knowledge acquired over nearly 20 years of its own transformation to five local partner universities to strengthen their capacity for educational access and economic impact. SHEAMA applies ASU’s insights in institutional design and digital instruction to increase post-secondary education access and improve the scale and impact of distance learning, while prioritizing the needs of Malawi’s most vulnerable students.

ASU advances basic education solutions that drive sustainable, inclusive development in communities across the world. Leveraging the distinctive expertise and global connectivity of its top-ranked Mary Lou Fulton Teacher’s College, ASU has developed a strong track record of impact in the developing world through K-12 systems strengthening, teacher training, education-focused monitoring and evaluation, and more.

- Consistently ranking in the top five graduate teaching programs in the nation, the Mary Lou Fulton Teachers College combines regional expertise with cutting-edge research from U.S. Department of Education-funded projects.
- The Center for Advanced Studies in Global Education (CASGE) advances innovations to improve educational quality and equity through collaborative global partnerships that drive research and locally adaptable, scalable programs for researchers, educators and administrators in Africa, Central and South America, Asia and the Middle East.
- ASU trains teachers and principals through exchanges, in-field work, and as a partner in the U.S. Department of State’s Fulbright Distinguished Awards in Teaching for International Teachers, and has trained educators from nearly two dozen countries.
- ASU researchers developed the Solar Powered Education Learning Library (SolarSPELL), a ruggedized, portable digital learning library that provides localized educational content. SolarSPELL has been deployed to assist Peace Corps volunteers in Rwanda and Pacific island nations and is rapidly scaling to other countries.
- ASU is a pioneer in the use of adaptive learning methodologies, shown to increase course passage rates for remedial students by over 20%, and is piloting these methods in Brazil, Mexico and Vietnam.

In partnership with the State of Palestine and its Ministry of Education, the Palestinian Energy Authority, and a leading local university, ASU created Empower Kids Palestine to establish long-term capacity for Palestine’s energy independence through education. ASU installed efficient solar energy systems in primary schools, created a hands-on curriculum that helped over 2,500 students to engage with the science of renewable energy and trained teachers in solar energy systems to create enduring learning opportunities and a sustainable energy future for Palestinian children.
Economic growth

As a New American University, ASU takes responsibility for making positive social and economic impact on the communities it touches — in Arizona, the U.S. and around the world. ASU works to promote economic growth in the developing world by applying unique capabilities in business, entrepreneurship, law, public administration and the sciences. The university’s approach to global economic development aims to achieve sustainable, equitable and long-term growth and prosperity.

- ASU’s Polytechnic Campus provides training in STEM professions, advanced manufacturing, clean energy and medical device development adapted to the needs of workers and industry in the developing world.
- ASU offers a robust entrepreneurship curriculum, developed with support from the Ewing Marion Kaufmann Foundation, that emphasizes diversity, inclusion and empowerment. ASU’s network of partners supporting entrepreneurship education includes the Verizon Foundation, JPMorgan Chase, the Silicon Valley Community Foundation, the National Science Foundation and more.
- The Department of Supply Chain Management at ASU’s W. P. Carey School of Business consistently ranks among the top five in the nation, making ASU a leader in research and teaching to enable market access and build effective supply chains.
- Faculty of the Watts College of Public Service and Community Solutions includes experts in public policy and administration, law, economics and government who identify solutions to facilitate stable, effective business environments.
- The Ira A. Fulton Schools of Engineering is the largest engineering program in the nation and has faculty experts focusing on solutions to the infrastructure challenges of the developing world, including those in construction, materials sciences, energy and communications.

In 2014, the world-renowned Thunderbird School of Global Management merged with ASU, creating new possibilities for sharing knowledge and resources to advance entrepreneurship in the developing world. Thunderbird’s Dreambuilder is an online platform in English and Spanish that trains women to start or grow their own businesses through 13 lessons, available 24/7. The platform is helping to close the gap between men’s and women’s incomes in the developing world, while creating sustainable businesses that positively impact families and communities. With support from the Freeport McMoRan Foundation, Dreambuilder has helped women in 60 countries, including Chile, Peru, the Democratic Republic of the Congo and Indonesia, to realize their business ambitions and develop entrepreneurial and leadership skills.

supported by a $10.4 million investment from USAID, the Building University-Industry Learning and Development through Innovation and Technology (BUILD-IT) program leverages a diverse consortium of government-industry-academic partners to link STEM instruction in Vietnamese higher education institutions to the needs of industry partners to develop Vietnam’s high-tech workforce and enable universities to drive economic growth. BUILD-IT expands upon ASU’s successful implementation of the USAID-funded Higher Engineering Education Alliance Program (HEEAP), through which ASU partnered with eight Vietnamese universities and six private sector partners to strengthen human and institutional capacity and help Vietnam to attract and sustain a healthy high-tech manufacturing industry. In addition to building a strong foundation for university-industry collaboration in Vietnam since 2011, ASU has trained nearly 3,000 faculty from 11 Vietnamese universities and helped Ho Chi Minh City University become Vietnam’s first university to be accredited by the Accreditation Board for Engineering and Technology (ABET).
Global health

ASU takes a holistic, systems-based approach to tackling the health challenges facing the developing world, including health supply chain improvement, biomedical research, health systems strengthening and cultural and behavioral health. The university partners with leading medical organizations and the private sector and carries out in-field research with local partners to develop scalable, adaptable solutions for health challenges at the community level.

- **ASU drives innovative clinical and systems research internationally through partnerships with leading health care organizations**, including Mayo Clinic and Dignity Health.

- **The School for the Science of Health Care Delivery** develops new models for health financing and promotes data-driven decision-making to improve quality of care and population health while reducing per capita health care costs in countries such as Kenya, Uganda and Mozambique.

- **The Center for Global Health** carries out novel research throughout the world on the ecological, cultural, institutional, historical and societal factors affecting population health, water insecurity and stigmatized conditions.

- **The Global Center for Applied Health Research** works with universities and communities in developing countries to co-create evidence-based, culturally appropriate solutions to health and societal challenges, including drug use reduction and rehabilitation, obesity prevention, mental illness and women’s health. The center works with local partners in multiple countries including Burundi, Kenya, Mexico and Tanzania.

- **ASU’s Biodesign Institute** offers capabilities for modeling infectious disease outbreaks and develops treatments and vaccines for diseases affecting the developing world, including malaria, HIV/AIDS, Zika and influenza. Researchers at the institute also developed the world’s first Ebola vaccine.

ASU’s W.P. Carey School of Business is a global leader in promoting collaborative innovation for health supply chains in developing countries. The Frontier Economies Logistics Lab connects multinational private sector partners with USAID and development partners to develop cost-effective, locally adaptable solutions for delivering products and services in fast-developing countries such as Bangladesh, Kenya, Nigeria and Vietnam. Another initiative, the Health Care Supply Chain Research Consortium, draws upon faculty from ASU’s top-ranked Department of Supply Chain Management to optimize and design new solutions for more effective, stable and accessible health care supply chains.

One of two winners out of more than 500 submissions to the Bill & Melinda Gates Foundation Global Grand Challenges initiative, ShipShape is a free, offline mobile education game that teaches basic supply chain skills to health care workers. Developed by students from ASU’s Luminosity Lab and experts from the W.P. Carey School of Business, ShipShape combines an elegant, user-friendly interface with curriculum designed specifically for the developing world to help users make more effective decisions to improve health supply chains. ASU is partnered with Ghana’s Kwame Nkrumah University of Science and Technology for localized app development, with plans to expand to Nigeria, Kenya and other developing countries in the future. ShipShape is free to download and requires no internet connection to play.
Student Development Corps

Student Development Corps is ASU's platform for channeling the energy and innovative ideas of its best students toward solving grand challenges in development. Student Development Corps matches student teams with the priorities of development partners to build customized, client-focused solutions utilizing specialized expertise across disciplines, with quality guaranteed through faculty oversight. The program also provides a talent pipeline for recruiting top students. Current and former clients include USAID and other government agencies, international development implementers and civil society organizations.

Student Development Corps comprises multiple entrepreneurial, student-led initiatives and programs:

- Students in ASU's Luminosity Lab apply expertise in product design, systems thinking, artificial intelligence, autonomous systems, robotics, software development and more to rapidly prototype technologies and products with development applications.
- The Thunderbird Emerging Markets Laboratory (TEM Lab) mobilizes teams of talented master's-level students from ASU's Thunderbird School of Global Management for on-site consulting projects in developing countries. TEM Lab students have developed tailored solutions for 65 private sector, public and civil society organizations in 29 countries.
- Through GlobalResolve, ASU students design technology-based solutions to local challenges in the developing world. The program has worked in 13 countries on numerous projects including biochar, clean cooking stoves, water irrigation and purification, solar microgrids and more.
- ASU Entrepreneurship + Innovation (E+I) empowers students to realize entrepreneurial ventures, including in developing countries. E+I has helped multiple Mastercard Fellows at ASU, one of whom was selected as a 2019 Rhodes Scholarship recipient, to launch social impact ventures in Africa.

Student Development Corps at work in the world

TEM Labs: Empowering agribusiness in Myanmar
With support from USAID and Winrock International, TEM Lab students spent several weeks embedded with the Nike Soybean Factory in Myanmar to comprehensively improve safety and operational procedures, implement sanitation standards and integrate quality assurance protocols to enable the factory to expand its business globally.

Gridbase: providing stable electricity in low-resource settings
Designed to address frequent electrical blackouts and brownouts in developing countries, Gridbase stabilizes electric grids and enables renewable energy integration through free-standing microgrid technologies. Students from ASU’s Luminosity Lab drew upon multiple disciplines to develop GridBase, including electrical and mechanical engineering, industrial design and architecture.

Engineering auditing solutions for development
ASU computer science students, with oversight from W. P. Carey School of Business faculty, are working with Chemonics International to develop an integrated software solution to meet audit requirements by streamlining the management of critical documentation using machine learning and artificial intelligence.

Optimizing education solutions for the developing world
ASU students consulted with the faculty who designed SolarSPELL (Solar Powered Educational Learning Library), ASU’s portable digital learning library, to engineer new efficiencies that decrease per-unit manufacturing costs by half. These optimizations have allowed SolarSPELL to scale up production and deployment to developing countries throughout the world.

TransIT and ePOD: transforming supply chain management for development
Developed for Chemonics by ASU students, TransIT is an adaptable, end-to-end cloud database for health supply chains. It provides all members of a supply chain with a centralized location to store data related to tracking, location and delivery. ePOD (Electronic Proof of Delivery) provides reliable solutions for documentation of proof of delivery by feeding information to the TransIT database and enabling delivery personnel to obtain signatures via mobile devices, take and submit photos, and provide real-time status updates. Available in English, French and Portuguese, ePOD is already in use in Cameroon, Angola, and Mozambique, with plans for rolling out to more countries in the future.
Research and development in digital learning design
• EdPlus is ASU’s signature platform for advancing online learning worldwide, advancing research, educational design and partnerships to fulfill ASU’s mission of providing educational access at scale.
• The EdPlus Action Lab advances evidence-centered design of digital learning methods that improve student outcomes at scale, integrating cross-disciplinary research and leveraging ASU as a living laboratory that provides a wealth of performance data.

Targeted online programming for international populations
• ASU’s Thunderbird School of Global Management, ranked No. 1 for its Master’s in Management program (Times Higher Education/Wall Street Journal 2019) provides localized, online executive education in multiple disciplines to international governmental, non-governmental and private sector leaders.
• Global Launch is the largest intensive English program in the U.S. and delivers online courses to 200,000+ learners. Global Launch has partnered with education institutions, ministries of education, universities and the U.S. Department of State to deliver 40+ professor and teacher training programs in methodology, language acquisition, technology and culture.

Helping children in conflict zones through online education
ASU delivers comprehensive online training in Applied Behavior Analysis (ABA) therapeutic methods to address the diverse challenges faced by children suffering from the effects of violence and displacement, whether in their home communities or refugee settlements.

Innovative online education platforms for international development
• Pathways for Practitioners provides affordable, accessible continuing education opportunities to development professionals in low- and medium-income countries. The fully online program is tailored to the needs of implementing partners and has been used to strengthen the skills of Chemonics’ in-country workforce in leadership and supply chain management.
• Global Freshman Academy offers online courses at no cost to students in over 180 countries.
• In partnership with the Mastercard Foundation, ASU leads the digital Baobab Scholars Community Platform, which provides lifelong learning opportunities and connectivity to 30,000 Mastercard Scholar alumni.

Enabling global collaboration for education at scale
The ASU + GSV Summit is the world’s premier annual convening of leaders in education and talent technology. For over a decade, the Summit has attracted a diverse set of 5,000+ attendees from 45 countries who innovate across the global “pre-k to gray” spectrum to drive equity and access for learners worldwide. The Summit has featured renowned speakers including Presidents Barack Obama and George W. Bush, Richard Branson, Bill Gates and Howard Schultz.

Partnering to create educational opportunity for refugees
ASU’s Education for Humanity initiative works with local partners and universities to provide free, hybrid in-person and online instruction in local, economically salient topics to refugees in Ethiopia, Iraq, Jordan, Kenya, Lebanon, Rwanda and Uganda.

SIGNATURE CAPABILITIES
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SIGNATURE CAPABILITIES
Scaling education access and impact
As an early adopter and pioneer in online learning, ASU has developed extensive organizational and technological capabilities to enable educational access at scale while improving student outcomes. ASU’s fully online-enrolled student population has grown to over 30,000, even as learning outcomes have reached those of in-person teaching. ASU carries out research and development to evolve its vast technological infrastructure in collaboration with a network of 120+ technology and programming partners. The university rapidly designs and scales programs to reach diverse populations in developing countries, meet the personnel training needs of implementers and enable customized platforms for high-touch, high-scale learning.
Focusing data and decision-making on global solutions

ASU offers robust capabilities in data modeling, analysis and visualization to understand and develop solutions to complex challenges, such as climate change; transborder health crises and epidemics; and prediction of conflict, water shortages and famine. Experts from multiple disciplines collaborate to inform new approaches to disaster management and relief, resource management, public health, governance and more, and have designed off-the-shelf tools that can be applied to international development projects.

- The Global Security Initiative is a university-wide effort that marshals experts from numerous fields to take on challenges in resource security, cybersecurity, human security and decision-making. The initiative identifies novel solutions to global challenges characterized by conflicting objectives and complex interdependencies.
- Established in 2004 with support from the National Science Foundation, ASU’s Decision Center for a Desert City facilitates better decision-making for challenges related to water and other environmental resources. The center’s research focus areas include climate uncertainty, urban systems and decision-making under conditions of uncertainty.
- ASU’s Decision Theater acts as an immersive laboratory for exploring new approaches to better decision-making, directly engaging policymakers with intelligible data and actionable insights. The Decision Theater’s core technology is deployable in resource-constrained settings via computer tablets.

ASU Decision Theater Network: Visualizing complexity

- Seven-screen panoramic HD displays
- High-performance computation for analysis and simulation
- Large-capacity data storage
- Collaborative software for sharing applications across platforms
- Locations in Arizona and Washington, D.C. – replicable anywhere in the world
- Deployable in low-technology contexts

Monitoring and evaluation

ASU translates research into advanced solutions for monitoring and evaluation (M&E) that integrate data according to USAID’s Collaborating, Learning, and Adapting (CLA) practices and include novel, low-cost approaches for rapid data acquisition and analysis from any part of the world, including remote and indigenous areas. ASU subject matter experts regularly conduct M&E for USAID projects and can be tapped for projects related to any topic or geographic context.

- The College Research and Evaluation Services Team (CREST) provides specialized, independent evaluation for programs funded by USAID, National Science Foundation, National Institutes of Health, U.S. Department of Education and U.S. Department of State.
- The Watts College of Public Service and Community Solutions designs and provides program assessment for the public, private and nonprofit sectors.
- For over 15 years, ASU’s Global Ethnohydrology Study has developed new ways of characterizing the social, epidemiological, cultural and mental health dynamics that shape water-use decisions around the world. The study offers a scalable model for M&E strategies that bridge multiple geographies, cultural contexts and datasets.
- ASU’s Mary Lou Fulton Teachers College partners with the Comparative and International Education Society (CIES) to facilitate global knowledge exchange on feasible, innovative and culturally responsive metrics for global education.

Transforming monitoring and evaluation in international development

ASU’s Global Impact Collaboratory advances radical innovations to improve the effectiveness of M&E for international development projects. The collaboratory specializes in low resource settings and draws upon ASU’s world-class social science faculty, who work throughout the world and across multiple domains, and collaborates with development partners to test new techniques, train M&E workforces and implement scientifically robust M&E strategies.
Gender and youth

ASU works with development partners and local communities to co-create culturally sensitive approaches to empower women and youth in developing countries and draws upon regional expertise to promote inclusive economic development and societal outcomes.

- In the Strengthening Higher Education Access in Malawi Activity (SHEAMA), ASU is working with Malawian universities to increase educational access for the most vulnerable students, including adolescent girls, young women, persons with disabilities and disadvantaged youth.

- ASU is a host institution for all three of the U.S. Department of State’s leadership training programs for youth in developing countries, including the Young African Leaders Initiative (YALI), Young Leaders of the Americas Initiative (YLAI) and Young Southeast Asian Leaders Initiative (YSEALI).

- In partnership with the Mastercard Foundation, ASU provides fully funded degree opportunities for 150 master’s level students and 120 undergraduate students from 20 countries across Africa.

- ASU is an implementing partner of the USAID Promote Women’s Empowerment program in Afghanistan, which prepares the next generation of women leaders in politics, the private sector and civil society.

- Thunderbird’s Strengthening Women Entrepreneurs in Peru (SWEP) initiative has served over 100,000 women entrepreneurs with $7.5 million from the Inter-American Development Bank, Australian government, Goldman Sachs 10,000 Women and Mibanco.

- Supported by the U.S. Department of State and Goldman Sachs 10,000 Women, Thunderbird’s Project Artemis trains promising women entrepreneurs in Afghanistan and Pakistan in business, leadership and mentorship skills.

Empowering women for economic and social impact in Latin America

Through the U.S. Department-supported WEAmericas Accelerator, ASU’s Thunderbird School of Global Management provides mentorship, training, networking and investor access to women throughout Latin and Central America. The accelerator leverages Thunderbird’s leading entrepreneurship curriculum and public-private partnerships to support women entrepreneurs whose efforts show potential to promote economic growth and social impact.

ASU is creating a pathway for universities and students to play a new, significant role in international development.
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ASU International Development is a unit of the ASU’s Knowledge Enterprise

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